

Leveraging MV2 MES To Improve The Manufacturing Process

Established in 1941, Allied has a history of exceeding customer expectations with innovative technologies and products and serves all facets of manufacturing, including aerospace, defense, agriculture, automotive, heavy equipment, general machining, machine tool, mining, petrochemical, energy, renewable energy, structural steel, tool and die and water treatment industries.

Challenges

Competing in a High-Stakes Global Market

Allied operates in an intensely competitive global landscape where efficiency, accuracy, and agility are critical. Staying ahead required a manufacturing system that could keep up with rapidly shifting market demands and customer expectations.

Inefficient Labor and Inventory Reporting

Prior to implementing MV2 MES, Allied struggled with time-consuming manual processes, inconsistent labor reporting, and unreliable material tracking — all of which created bottlenecks on the shop floor and impacted overall productivity.

Lack of Visibility and Control in Production

Without a unified system to manage production and inventory in real time, Allied faced challenges in maintaining tight material lot control, managing scrap, and minimizing costly re-cuts and errors.

Jennifer Horner, Project Manager

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I would recommend MV2 MES to anyone in the market for a similar solution. Their support has been exceptional.

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Solutions

Improved Labor Reporting and Operational Visibility

With MV2 MES, Allied significantly improved the accuracy and reliability of labor reporting. The solution also enhanced intra-departmental communication, leading to smoother workflows and stronger team alignment.

Increased Inventory Accuracy and Traceability

Inventory management saw a measurable boost, with a 25–30% reduction in transaction errors and improved lot traceability. This has helped Allied minimize costly mistakes and better manage material movement throughout the facility.

Streamlined Electronic Kanban and Faster Recovery

MV2 MES enabled Allied to electronically manage their kanban systems, resulting in enhanced lot control, reduced scrap, and fewer re-cut processes.

User-Friendly Interface with Fast Onboarding

Thanks to an intuitive design, MV2 MES was easy to implement and quick for staff to learn. “New associates have not experienced any struggles in learning the labor reporting process,” notes Horner. This has shortened training cycles and ensured rapid adoption across the organization.